



**August 26–27, 2021
National Cancer Institute
Virtual Meeting**

WebEx Links:

Day 1: Thursday, August 26, 2021

<https://cbiit.webex.com/cbiit/j.php?MTID=m7499da46855155d7ebb3a9c05947228d>

Day 2: Friday, August 27, 2021

<https://cbiit.webex.com/cbiit/j.php?MTID=m7499da46855155d7ebb3a9c05947228d>

Goal: To develop precision medicine approaches to improve treatment response to behavioral weight loss interventions through the integration of new genomic discoveries.

Day 1: Thursday, August 26, 2021	
12:00 – 12:10 p.m.	Welcome and Introductions <ul style="list-style-type: none"> • Tech/Logistics (<i>ICF</i>) • Welcome/Opening comments (<i>Tanya Agurs-Collins</i>)
12:10 – 12:20 p.m.	Workshop Background and Objectives <i>Tanya Agurs-Collins, Ph.D., R.D., Division of Cancer Control and Population Sciences (DCCPS), National Cancer Institute (NCI)</i>
Genomics of Obesity/Weight Loss	
12:20 – 1:00 p.m.	Genetics of Obesity and Implications for Weight Loss Moderator: <i>Leah Mechanic, Ph.D., DCCPS, NCI</i> Speaker: <i>Ruth Loos, Ph.D., University of Copenhagen, Denmark</i>
1:00 – 1:40 p.m.	Genes and Precision Digital Care for Weight Loss Moderator: <i>Lu Qi, M.D., Ph.D., Tulane University Obesity Research Center, Tulane University, LA</i> Speaker: <i>Ranjan Sinha, M.B.A and Daniel Almonacid, Ph.D., Digbi Health, Los Altos, CA</i>
1:40 – 2:30 p.m.	Workgroup Project 1: Polymorphisms and Change in Waist Circumference <i>Jeanne McCaffery, Ph.D., The Miriam Hospital and Alpert School of Medicine at Brown University, RI</i> <i>Kathleen Jablonksi, Ph.D., Milken Institute of Public Health at George Washington University, DC</i>

	<u>Aim:</u> To examine the impact of genetic polymorphisms on change in WHR and WC at one year after randomization to an intensive lifestyle weight loss intervention
2:30 – 2:40 p.m.	Break
2:40 – 3:10 p.m.	Potential Collaborations and GWAS Analysis: IMI SOPHIA Project Moderator: <i>Tanya Agurs-Collins, Ph.D., R.D., DCCPS, NCI</i> Speaker: <i>Timothy Frayling, Ph.D., University of Exeter Medical School, UK</i>
3:10 – 3:40 p.m.	Polygenic Prediction of Weight and Obesity Trajectories from Birth to Adulthood Moderator: <i>Ludmila Pawlikowska, Ph.D., Division of Digestive Diseases and Nutrition (DDDN), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)</i> Speaker: <i>Amit V. Khera, M.D., Massachusetts General Hospital, Boston and Broad Institute, MA</i>
3:40 – 4:00 p.m.	Research Gaps and Opportunities Moderator: <i>Cashell Jaquish, Ph.D., Division of Cardiovascular Sciences National Heart, Lung, and Blood Institute (NHLBI)</i>

Day 2: Friday, August 27, 2021

12:00 – 12:10 p.m.	General Overview of Day 1 <i>Tanya Agurs-Collins, DCCPS, NCI</i>
Obesity, Weight Loss and Cancer	
12:10 – 12:45 p.m.	Weight Loss, Cancer Risk and Survival Moderator: <i>Susan Yanovski, M.D., DDDN, NIDDK</i> Speaker: <i>Hsin-Chieh Yeh, Ph.D., Welch Center for Prevention, Epidemiology, and Clinical Research, Johns Hopkins University, MD</i>
12:45 – 1:15 p.m.	Lifestyle Behavioral Interventions Combined with Pharmacological Approaches for Precision Obesity Treatment Moderator: <i>Susan Czajkowski, Ph.D., DCCPS, NCI</i> Speaker: <i>Jena Shaw Tronieri, Ph.D., Perelman School of Medicine, Center for Weight and Eating Disorders, University of Pennsylvania, PA</i>
1:15 – 1:30 p.m.	Break
1:30 – 2:30 p.m.	Weight Loss Studies in Cancer Prevention and Survivorship Moderator: <i>Sharon Ross, Ph.D., M.P.H., Division of Cancer Prevention, NCI</i> Speakers: <i>Anne McTieman, M.D., Ph.D., Public Health Sciences Division, Fred Hutchinson Cancer Research Center</i> <i>Wendy Demark-Wahnefried, Ph.D., R.D., The University of Alabama at Birmingham School of Health Professions and Comprehensive Cancer Center</i>

<p>2:30 – 3:20 p.m.</p>	<p>Workgroup Project 2: Tailoring Weight Loss Interventions - Behavioral Change Taxonomy <i>Deborah Tate, Ph.D., Department of Health Behavior, The University of North Carolina at Chapel Hill</i></p> <p><i>Heather Wasser, Ph.D., Department of Nutrition, The University of North Carolina at Chapel Hill</i></p> <p><u>Aim:</u> To identify the specific BCTs that are associated with weight changes across the consortium of intensive lifestyle weight loss interventions.</p>
<p>3:20 – 3:50 p.m.</p>	<p>Discussion of Future Directions Discussion Lead: <i>Jeanne McCaffery, Ph.D., The Miriam Hospital and Alpert School of Medicine at Brown University, RI</i></p>
<p>3:50-4:00 p.m.</p>	<p>Closing Remarks and Adjournment <i>Tanya Agurs-Collins, Ph.D., R.D., DCCPS, NCI</i></p>